

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 2002-294762

(43)Date of publication of application : 09.10.2002

(51)Int.CI. E02F 9/26  
B60R 11/02  
B60R 11/04  
H04N 7/18

(21)Application number : 2001-092213 (71)Applicant : KOBELCO CONSTRUCTION MACHINERY LTD

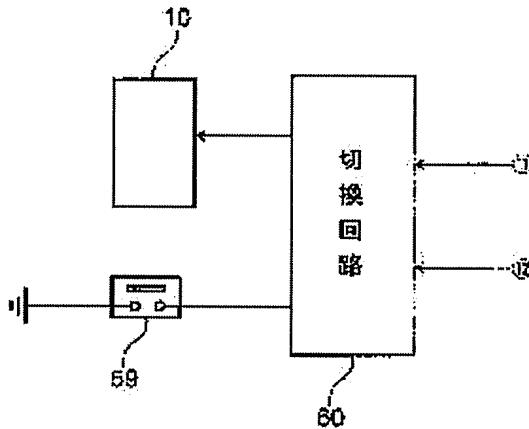
(22)Date of filing : 28.03.2001 (72)Inventor : HIGUCHI FUMIKAZU

## (54) MONITOR CAMERA DEVICE FOR CONSTRUCTION MACHINERY

### (57)Abstract:

**PROBLEM TO BE SOLVED:** To improve operating efficiency by eliminating the interruption of operation by automatically changing over an image in response with operation of an operator.

**SOLUTION:** In a monitor camera device for construction machinery having a rear monitor camera 12 monitoring the rear of the construction machinery and a front monitor camera 11 monitoring a front and selectively projecting the images by each monitor camera 11 and 12 onto one display 10, the monitor camera device has a pressure switch 59 detecting the execution of traveling operation and outputting a traveling detecting signal and a changeover circuit 60 changing over the image projected onto the display 10 from the image by the front monitor camera 11 to the image by the rear monitor camera 12 when the traveling detecting signal from the pressure switch 59 is at on.



### LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's



**\* NOTICES \***

JPPO and NCIPI are not responsible for any damages caused by the use of this translation.

1. This document has been translated by computer. So the translation may not reflect the original precisely.

2.\*\*\*\* shows the word which can not be translated.

3. In the drawings, any words are not translated.

---

**CLAIMS**

---

**[Claim(s)]**

[Claim 1] Two or more surveillance cameras containing the specific surveillance camera which photos the specific field of a construction equipment, The display which displays one of two or more images depended on each of these surveillance cameras, Surveillance camera equipment of the construction equipment characterized by providing a detection means to detect that actuation which needs the monitor of the above-mentioned specific field was performed, and the means for switching which switches the display image on the above-mentioned display automatically on the image by the above-mentioned specific surveillance camera when the above-mentioned actuation is detected.

[Claim 2] It is surveillance camera equipment of the construction equipment which a transit actuation detection means to by\_which the back surveillance camera which photos the back of a construction equipment as a specific surveillance camera detects transit actuation of a construction equipment as a detection means in the surveillance camera equipment of a construction equipment according to claim 1 is used, respectively, and is characterized by to be constituted a means for switching so that the display image on a display may switch to the image by the above-mentioned back surveillance camera automatically, when transit actuation is detected.

---

[Translation done.]

